



**Billing Code: 5001-06**

**DEPARTMENT OF DEFENSE**

**Office of the Secretary**

**[Transmittal No. 18-43]**

**Arms Sales Notification**

**AGENCY:** Defense Security Cooperation Agency, Department of Defense.

**ACTION:** Arms sales notice.

**SUMMARY:** The Department of Defense is publishing the unclassified text of an arms sales notification.

**FOR FURTHER INFORMATION CONTACT:** Karma Job at [karma.d.job.civ@mail.mil](mailto:karma.d.job.civ@mail.mil) or (703) 697-8976.

**SUPPLEMENTARY INFORMATION:** This 36(b)(1) arms sales notification is published to fulfill the requirements of section 155 of Public Law 104-164 dated July 21, 1996. The following is a copy of a letter to the Speaker of the House of Representatives, Transmittal 18-43 with attached Policy Justification.

Dated: February 1, 2019.

**Shelly E. Finke,**

*Alternate OSD Federal Register Liaison Officer,  
Department of Defense.*



DEFENSE SECURITY COOPERATION AGENCY

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ARLINGTON, VA 22202-5408

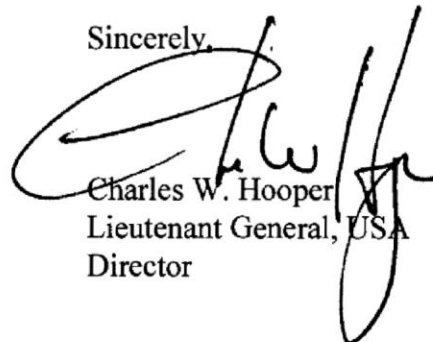
The Honorable Paul D. Ryan  
Speaker of the House  
U.S. House of Representatives  
Room H-209, The Capitol  
Washington, DC 20515

NOV 27 2018

Dear Mr. Speaker:

Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-43, concerning the Air Force's proposed Letter(s) of Offer and Acceptance to the Government of Qatar for defense articles and services estimated to cost \$215 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

A handwritten signature in black ink, appearing to read "C. W. Hooper", is written over the typed name and title.

Charles W. Hooper  
Lieutenant General, USA  
Director

Enclosures:

1. Transmittal
2. Policy Justification
3. Sensitivity of Technology
4. Regional Balance (Classified document provided under separate cover)

Transmittal No. 18-43

Notice of Proposed Issuance of Letter of Offer  
Pursuant to Section 36(b)(1)  
of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Qatar

(ii) Total Estimated Value:

Major Defense Equipment*	\$ 95 million
Other	<u>\$120 million</u>
TOTAL	\$215 million

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase: The Government of Qatar has requested to buy defense articles and services from the U.S. Government in support of a Direct Commercial Sales of the National Advanced Surface to Air Missile System (NASAMS).

Major Defense Equipment (MDE):

Forty (40) AIM-120C-7 Advanced Medium Range Air-to-Air Missiles (AMRAAM)  
One (1) spare AIM-120C-7 AMRAAM Guidance Section

Non-MDE:

Also included are one (1) spare AIM-120C-7 control section, eight (8) AMRAAM Captive Air Training Missile (CATM-120C), missile containers, classified software for the AN/MPQ-64F1 Sentinel Radar, spare and repair parts, cryptographic and communication security devices, precision navigation equipment, other software, site surveys, weapons system equipment and computer software support, publications and technical documentation, common munitions and test equipment, repair and return services and equipment, personnel training and training equipment, integration support and test equipment, and U.S. Government and contractor, engineering, technical and logistics support services, and other related elements of logistical and program support.

(iv) Military Department: Air Force (QA-D-YAE); Army (QA-B-UAS)

(v) Prior Related Cases, if any: N/A

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex

(viii) Date Report Delivered to Congress: November 27, 2018

\*As defined in Section 47(6) of the Arms Export Control Act.

## POLICY JUSTIFICATION

### Qatar – Advanced Medium Range Air-to-Air Missiles (AMRAAM) and Related Equipment and Support for NASAMS

The Government of Qatar has requested to buy defense articles and services from the U.S. Government in support of a Direct Commercial Sale of the National Advanced Surface to Air Missile System (NASAMS). The items Qatar requests include the following: forty (40) AIM 120C-7 AMRAAM missiles, one (1) spare AIM 120C-7 AMRAAM guidance section, one (1) spare AIM-120C-7 control section, eight (8) AMRAAM Captive Air Training Missile (CATM-120C), missile containers, classified software for the AN/MPQ-64F1 Sentinel Radar, spare and repair parts, cryptographic and communication security devices, precision navigation equipment, other software, site surveys, weapons system equipment and computer software support, publications and technical documentation, common munitions and test equipment, repair and return services and equipment, personnel training and training equipment, integration support and test equipment, and U.S. Government and contractor, engineering, technical and logistics support services, and other related elements of logistical and program support. The estimated cost is \$215 million.

This proposed sale supports the foreign policy and national security objectives of the United States by helping improve the security of a key partner which has been, and continues to be, a significant host and member of coalition forces in the Middle East.

This proposed sale improves Qatar's defense capability to deter regional threats and strengthen its homeland defense. The NASAMS capability would provide a full range of protection from imminent hostile cruise missile, unmanned aerial vehicle, rotary wing, and fixed wing threats. Qatar will have no difficulty in absorbing this equipment.

The proposed sale will not alter the basic military balance in the region.

The principal contractor and integrator will be Raytheon Missiles Systems of Tucson, Arizona. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of additional U.S. Government and contractor representatives to Qatar.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

Transmittal No. 18-43

Notice of Proposed Issuance of Letter of Offer  
Pursuant to Section 36(b)(1)  
of the Arms Export Control Act

Annex  
Item No. vii

(vii) Sensitivity of Technology:

1. AIM-120C Advance Medium Range Air-to-Air Missile (AMRAAM) is a radar guided missile featuring digital technology and micro-miniature solid-state electronics. AMRAAM capabilities include look-down/shoot-down, multiple launches against multiple targets, resistance to electronic counter measures, and interception of high flying and low flying and maneuvering targets. AIM-120 Captive Air Training Missiles are non-functioning, inert missile rounds used for armament load training, which also simulate the correct weight and balance of live missiles during captive carry on training sorties. Although designed as an air-to-air missile, the AMRAAM can also be employed in a surface-launch mode when integrated on systems such as National Advanced Surface-to-Air System (NASAMS). The AIM-120C-7, as employed on NASAMS, protects national assets from imminent hostile air threats. The AMRAAM All Up Round is classified CONFIDENTIAL, major components and subsystems range from UNCLASSIFIED to CONFIDENTIAL, and technology data and other documentation are classified up to SECRET.
2. The classified radar operational software utilized with the exportable AN/MPQ-4Fl Sentinel Radar contains specific Electronic Counter-Counter Measures (ECCM) capability, but it does not contain Non-Cooperative Target Recognition (NCTR)/classification capabilities. This software will be released for export only in an executable format with no source code. Without source code, the ability of a foreign company or government to analyze the operating software, its processes, and its algorithms is slowed. The highest classification of this software is SECRET.
3. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.
4. A determination has been made that Qatar can provide substantially the same degree of protection of this technology as the U.S. Government. This proposed sale furthers the U.S. foreign policy and national security objectives outlined in the Policy Justification. Moreover, the benefits to be derived from this sale, as outlined in the Policy Justification, outweigh the potential damage that could result if the sensitive technology were revealed to unauthorized persons.
5. All defense articles and services listed in this transmittal are authorized for release and export to the Government of Qatar.

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